Test Type: 14-DAY
Route: DOSED FEED

Species/Strain: Rat/F 344/N

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Test Compound: Goldenseal root powder

**CAS Number: GOLDENSEALRT** 

Date Report Requested: 10/21/2014 Time Report Requested: 18:15:55

First Dose M/F: NA / NA

Lab: MBA

**C Number:** C99007

**Lock Date:** 10/11/2001

Cage Range: All

Date Range: All

Reasons For Removal:

Removal Date Range: All

Treatment Groups: All

Study Gender: Both

PWG Approval Date NONE

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Test Compound: Goldenseal root powder

**CAS Number: GOLDENSEALRT** 

Species/Strain: Rat/F 344/N

Test Type: 14-DAY

Route: DOSED FEED

F 344/N Rat Male VEHICLE CONTROL

AY ON TEST	0	0 0 1	0 0 1	0 0 1	0 0 1
	<i>1</i> 5	5	5	5	5
ANIMAL ID	0	0	0	0	0
AMINAL ID	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
	1	2	3	4	5

\*TOTALS

**Alimentary System** 

Liver + + + + + 5

D

**Cardiovascular System** 

NONE

**Endocrine System** 

NONE

**General Body System** 

NONE

**Genital System** 

NONE

**Hematopoietic System** 

NONE

**Integumentary System** 

NONE

**Musculoskeletal System** 

NONE

**Nervous System** 

NONE

- X .. Lesion present
- I .. Insufficient tissue

M ..Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

**Date Report Requested:** 10/21/2014 **Time Report Requested:** 18:15:55

First Dose M/F: NA / NA Lab: MBA

Page 2

<sup>\* ..</sup>Total animals with tissue examined microscopically; Total animals with tumor

<sup>+ ..</sup> Tissue examined microscopically

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Test Compound: Goldenseal root powder

**CAS Number: GOLDENSEALRT** 

Species/Strain: Rat/F 344/N

F 344/N Rat Male **VEHICLE CONTROL** 

Test Type: 14-DAY

Route: DOSED FEED

Lab: MBA

Date Report Requested: 10/21/2014

Time Report Requested: 18:15:55

First Dose M/F: NA / NA

					•
0	0	0	0	0	
0	0	0	0	0	
1	1	1	1	1	
5	5	5	5	5	
0	0	0	0	0	
0	0	0	0	0	
0	0	0	0	0	
0	0	0	0	0	l
1	2	3	4	5	*TOTALS
	0 1 5	0 0 1 1 5 5 0 0 0 0 0 0 0 0	0         0         0           1         1         1           5         5         5           0         0         0           0         0         0           0         0         0           0         0         0           0         0         0           0         0         0	0         0         0         0           1         1         1         1           5         5         5         5           0         0         0         0           0         0         0         0           0         0         0         0           0         0         0         0           0         0         0         0	0         0         0         0         0           1         1         1         1         1         1           5         5         5         5         5           0         0         0         0         0         0           0         0         0         0         0         0           0         0         0         0         0         0           0         0         0         0         0         0           0         0         0         0         0         0

**Respiratory System** 

NONE

**Special Senses System** 

NONE

**Urinary System** 

NONE

**SYSTEMIC LESIONS** 

5 Multiple Organ

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

<sup>\* ..</sup>Total animals with tissue examined microscopically; Total animals with tumor

<sup>+ ..</sup> Tissue examined microscopically

X ..Lesion present

Test Type: 14-DAY
Route: DOSED FEED

Species/Strain: Rat/F 344/N

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

**Test Compound:** Goldenseal root powder **CAS Number:** GOLDENSEALRT

First Dose M/F: NA / NA

Date Report Requested: 10/21/2014

Time Report Requested: 18:15:55

Lab: MBA

DAY ON TEST

F 344/N Rat Male 1560 PPM

ANIMAL ID

\*TOTALS

**Alimentary System** 

NONE

Cardiovascular System

NONE

**Endocrine System** 

NONE

**General Body System** 

NONE

**Genital System** 

NONE

**Hematopoietic System** 

NONE

**Integumentary System** 

NONE

Musculoskeletal System

NONE

**Nervous System** 

NONE

I ..Insufficient tissue

M ..Missing tissue

A .. Autolysis precludes evaluation

<sup>\* ..</sup>Total animals with tissue examined microscopically; Total animals with tumor

<sup>+ ..</sup> Tissue examined microscopically

X .. Lesion present

**Test Type:** 14-DAY **Route:** DOSED FEED

Species/Strain: Rat/F 344/N

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Test Compound: Goldenseal root powder

CAS Number: GOLDENSEALRT First Dose M/F: NA / NA

Lab: MBA

Date Report Requested: 10/21/2014

Time Report Requested: 18:15:55

DAY ON TEST

F 344/N Rat Male 1560 PPM

ANIMAL ID

\*TOTALS

0

**Respiratory System** 

NONE

**Special Senses System** 

NONE

**Urinary System** 

NONE

**SYSTEMIC LESIONS** 

Multiple Organ

M ..Missing tissue

A .. Autolysis precludes evaluation

<sup>\* ..</sup>Total animals with tissue examined microscopically; Total animals with tumor

<sup>+ ..</sup> Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Test Compound: Goldenseal root powder

**CAS Number: GOLDENSEALRT** 

Species/Strain: Rat/F 344/N

Test Type: 14-DAY

Route: DOSED FEED

First Dose M/F: NA / NA

Lab: MBA

Date Report Requested: 10/21/2014

Time Report Requested: 18:15:55

F 344/N Rat Male 3121 PPM

DAY ON TEST 0 0 0 0 0 0 0 *1* 5 *1* 5 *1* 5 1 5 0 0 0 0 0 0 2 1 0 0 0 2 2 ANIMAL ID Ō 0 0 0 2 5 0 0 2 2 4

\*TOTALS

1

**Alimentary System** 

Liver

Cardiovascular System

NONE

**Endocrine System** 

NONE

**General Body System** 

NONE

**Genital System** 

NONE

**Hematopoietic System** 

NONE

**Integumentary System** 

NONE

**Musculoskeletal System** 

NONE

**Nervous System** 

NONE

- X .. Lesion present
- I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

<sup>\* ..</sup>Total animals with tissue examined microscopically; Total animals with tumor

<sup>+ ..</sup> Tissue examined microscopically

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Date Report Requested: 10/21/2014

Time Report Requested: 18:15:55

First Dose M/F: NA / NA

Lab: MBA

Test Compound: Goldenseal root powder

**CAS Number: GOLDENSEALRT** 

Species/Strain: Rat/F 344/N

Test Type: 14-DAY

Route: DOSED FEED

F 344/N Rat Male 3121 PPM

DAY ON TEST	0	0	0	0	0
	0	1	1	1	U 1
	5	5	5	5	5
ANIMAL ID	0	0	0	0	0
AMIMAL ID	0	0	0	0	0
	0	0	0	0	0
	0 2	2	2	2	2 5
	1	2	3	4	5

\*TOTALS

**Respiratory System** 

NONE

**Special Senses System** 

NONE

**Urinary System** 

NONE

**SYSTEMIC LESIONS** 

Multiple Organ

\* ..Total animals with tissue examined microscopically; Total animals with tumor

+ .. Tissue examined microscopically

X ..Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

Test Type: 14-DAY
Route: DOSED FEED

Species/Strain: Rat/F 344/N

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

**Test Compound:** Goldenseal root powder **CAS Number:** GOLDENSEALRT

First Dose M/F: NA / NA

Date Report Requested: 10/21/2014

Time Report Requested: 18:15:55

Lab: MBA

DAY ON TEST

F 344/N Rat Male 6250 PPM

ANIMAL ID

\*TOTALS

**Alimentary System** 

NONE

**Cardiovascular System** 

NONE

**Endocrine System** 

NONE

**General Body System** 

NONE

**Genital System** 

NONE

**Hematopoietic System** 

NONE

**Integumentary System** 

NONE

Musculoskeletal System

NONE

**Nervous System** 

NONE

I .. Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation BLANK ..Not examined microscopically

<sup>\* ..</sup>Total animals with tissue examined microscopically; Total animals with tumor

<sup>+ ..</sup> Tissue examined microscopically

X .. Lesion present

**Test Type:** 14-DAY **Route:** DOSED FEED

Species/Strain: Rat/F 344/N

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

**Test Compound:** Goldenseal root powder **CAS Number:** GOLDENSEALRT

First Dose M/F: NA / NA

Date Report Requested: 10/21/2014

Time Report Requested: 18:15:55

Lab: MBA

DAY ON TEST

F 344/N Rat Male 6250 PPM

ANIMAL ID

\*TOTALS

**Respiratory System** 

NONE

**Special Senses System** 

NONE

**Urinary System** 

NONE

**SYSTEMIC LESIONS** 

Multiple Organ 0

M ..Missing tissue

A .. Autolysis precludes evaluation

<sup>\* ..</sup>Total animals with tissue examined microscopically; Total animals with tumor

<sup>+ ..</sup> Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Test Compound: Goldenseal root powder

Route: DOSED FEED Species/Strain: Rat/F 344/N

Test Type: 14-DAY

**CAS Number: GOLDENSEALRT** 

F 344/N Rat Male 12500 PPM

DAY ON TEST	0	0	0	0	0	
	0	0	0	0	0	
	1	1	1	1	1	
	5	5	5	5	5	
ANIMAL ID	0	0	0	0	0	
AMIMAL ID	0	0	0	0	0	
	0	0	0	0	0	
	4	4	4	4	4	
	1	2	3	4	4 5	

\*TOTALS

**Alimentary System** 

5 Liver

**Cardiovascular System** 

NONE

**Endocrine System** 

NONE

**General Body System** 

NONE

**Genital System** 

NONE

**Hematopoietic System** 

NONE

**Integumentary System** 

NONE

**Musculoskeletal System** 

NONE

**Nervous System** 

NONE

- X .. Lesion present
- I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

Date Report Requested: 10/21/2014 Time Report Requested: 18:15:55 First Dose M/F: NA / NA

Lab: MBA

<sup>\* ..</sup>Total animals with tissue examined microscopically; Total animals with tumor

<sup>+ ..</sup> Tissue examined microscopically

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Date Report Requested: 10/21/2014

Time Report Requested: 18:15:55

First Dose M/F: NA / NA

Lab: MBA

Test Compound: Goldenseal root powder

**CAS Number: GOLDENSEALRT** 

Species/Strain: Rat/F 344/N

Test Type: 14-DAY

Route: DOSED FEED

F 344/N Rat Male

DAY ON TEST 0 0 0 0 0 0 *1* 5 *1* 5 *1* 5 *1* 5 0 0 0 0 0 0 4 1 0 0 0 4 2 ANIMAL ID Ō 0 0 0 0 4 5 4

\*TOTALS

5

**Respiratory System** 

12500 PPM

NONE

**Special Senses System** 

NONE

**Urinary System** 

NONE

**SYSTEMIC LESIONS** 

Multiple Organ

+ +

M ..Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

X .. Lesion present

I .. Insufficient tissue

<sup>\* ..</sup>Total animals with tissue examined microscopically; Total animals with tumor

<sup>+ ..</sup> Tissue examined microscopically

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Test Compound: Goldenseal root powder

**CAS Number: GOLDENSEALRT** 

Species/Strain: Rat/F 344/N

F 344/N Rat Male

25000 PPM

Test Type: 14-DAY

Route: DOSED FEED

DAY ON TEST 0

0 0 0 0 0 0 *1* 5 *1* 5 *1* 5 1 5 0 0 0 0 0 0 0 5 2 ANIMAL ID Õ 0 0 0 5 5 0 5 3 0 5 1 0

5

\*TOTALS

5

**Alimentary System** 

Liver

Cardiovascular System

NONE

**Endocrine System** 

NONE

**General Body System** 

NONE

**Genital System** 

NONE

**Hematopoietic System** 

NONE

**Integumentary System** 

NONE

**Musculoskeletal System** 

NONE

**Nervous System** 

NONE

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

Time Report Requested: 18:15:55 First Dose M/F: NA / NA

Date Report Requested: 10/21/2014

Lab: MBA

<sup>\* ..</sup>Total animals with tissue examined microscopically; Total animals with tumor

<sup>+ ..</sup> Tissue examined microscopically

X .. Lesion present

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Date Report Requested: 10/21/2014

Time Report Requested: 18:15:55

First Dose M/F: NA / NA

Lab: MBA

Test Compound: Goldenseal root powder

**CAS Number: GOLDENSEALRT** 

Species/Strain: Rat/F 344/N

F 344/N Rat Male

25000 PPM

Test Type: 14-DAY

Route: DOSED FEED

DAY ON TEST 0 0 0 0 0 0 *1* 5 *1* 5 *1* 5 *1* 5 0 0 0 0 0 0 5 1 0 0 0 5 2 ANIMAL ID 00055 0 0 5 3 0 5

\*TOTALS

**Respiratory System** 

NONE

**Special Senses System** 

NONE

**Urinary System** 

NONE

**SYSTEMIC LESIONS** 

Multiple Organ

5

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

<sup>\* ..</sup>Total animals with tissue examined microscopically; Total animals with tumor

<sup>+ ..</sup> Tissue examined microscopically

X ..Lesion present

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Test Compound: Goldenseal root powder

**CAS Number: GOLDENSEALRT** 

Species/Strain: Rat/F 344/N

Test Type: 14-DAY

Route: DOSED FEED

F 344/N Rat Male 50000 PPM

DAY ON TEST	0 0 1	0 0 1	0 0 1	0 0 1	0 0 1
	5	5	5	5	5
V VIIIVAVI ID	0	0	0	0	0
ANIMAL ID	0	0	0	0	0
	0	0	0	0	0
	6	6	6	6	6
	1	2	3	4	5

\*TOTALS

**Alimentary System** 

5 Liver

**Cardiovascular System** 

NONE

**Endocrine System** 

NONE

**General Body System** 

NONE

**Genital System** 

NONE

**Hematopoietic System** 

NONE

**Integumentary System** 

NONE

**Musculoskeletal System** 

NONE

**Nervous System** 

NONE

- X .. Lesion present
- I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

Time Report Requested: 18:15:55 First Dose M/F: NA / NA

Date Report Requested: 10/21/2014

Lab: MBA

<sup>\* ..</sup>Total animals with tissue examined microscopically; Total animals with tumor

<sup>+ ..</sup> Tissue examined microscopically

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Date Report Requested: 10/21/2014

Time Report Requested: 18:15:55

First Dose M/F: NA / NA

Lab: MBA

Test Compound: Goldenseal root powder

**CAS Number: GOLDENSEALRT** 

Route: DOSED FEED Species/Strain: Rat/F 344/N

Test Type: 14-DAY

F 344/N Rat Male 50000 PPM

DAY ON TEST	0	0	0	0	0
	1 5	1 5	1 5	1 5	1 5
ANIMAL ID	0 0 0 6 1	0 0 0 6 2	0 0 0 6 3	0 0 0 6 4	0 0 0 6 5

\*TOTALS

**Respiratory System** 

NONE

**Special Senses System** 

NONE

**Urinary System** 

NONE

**SYSTEMIC LESIONS** 

Multiple Organ

\*\*\*END OF MALE DATA\*\*\*

M .. Missing tissue

A .. Autolysis precludes evaluation

<sup>\* ..</sup>Total animals with tissue examined microscopically; Total animals with tumor

<sup>+ ..</sup> Tissue examined microscopically

X ..Lesion present

I .. Insufficient tissue

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Test Compound: Goldenseal root powder

**CAS Number: GOLDENSEALRT** 

Species/Strain: Rat/F 344/N

Test Type: 14-DAY

Route: DOSED FEED

F 344/N Rat Female **VEHICLE CONTROL** 

DAY ON TEST	0	0	0	0	0	
	<i>1</i> 5					
ANIMAL ID	0 0	0	0	0	0	
	0	0	0	0	0	
	0	0	0	0	1	
	6	7	8	9	0	

\*TOTALS

**Alimentary System** 

5 Liver

**Cardiovascular System** 

NONE

**Endocrine System** 

NONE

**General Body System** 

NONE

**Genital System** 

NONE

**Hematopoietic System** 

NONE

**Integumentary System** 

NONE

**Musculoskeletal System** 

NONE

**Nervous System** 

NONE

- X .. Lesion present
- I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

Date Report Requested: 10/21/2014 Time Report Requested: 18:15:55

Lab: MBA

First Dose M/F: NA / NA

<sup>\* ..</sup>Total animals with tissue examined microscopically; Total animals with tumor

<sup>+ ..</sup> Tissue examined microscopically

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Date Report Requested: 10/21/2014

Time Report Requested: 18:15:55

First Dose M/F: NA / NA

Lab: MBA

Test Compound: Goldenseal root powder

**CAS Number: GOLDENSEALRT** 

Species/Strain: Rat/F 344/N

F 344/N Rat Female

**VEHICLE CONTROL** 

Test Type: 14-DAY

Route: DOSED FEED

DAY ON TEST

0 0 0 0 0 0 *1* 5 *1* 5 *1* 5 5 0 0 0 0 0 0 7 ANIMAL ID Ō 0 006 0 0 0 0 1 0

\*TOTALS

**Respiratory System** 

NONE

**Special Senses System** 

NONE

**Urinary System** 

NONE

**SYSTEMIC LESIONS** 

Multiple Organ

5

M .. Missing tissue

A .. Autolysis precludes evaluation

<sup>\* ..</sup>Total animals with tissue examined microscopically; Total animals with tumor

<sup>+ ..</sup> Tissue examined microscopically

X ..Lesion present

I .. Insufficient tissue

P04: NEOPLASMS BY INDIVIDUAL ANIMAL Test Compound: Goldenseal root powder

**CAS Number: GOLDENSEALRT** 

Date Report Requested: 10/21/2014

Time Report Requested: 18:15:55

First Dose M/F: NA / NA Lab: MBA

Test Type: 14-DAY Route: DOSED FEED

Species/Strain: Rat/F 344/N

F 344/N Rat Female 1560 PPM

DAY ON TEST	0 0 1 5	0 0 1 5	0 0 1 5	0 0 1 5	0 0 1 5	
ANIMAL ID	0 0 0 1 6	0 0 0 1 7	0 0 0 1 8	0 0 0 1 9	0 0 0 2	

\*TOTALS

**Alimentary System** 

Liver 1

**Cardiovascular System** 

NONE

**Endocrine System** 

NONE

**General Body System** 

NONE

**Genital System** 

NONE

**Hematopoietic System** 

NONE

**Integumentary System** 

NONE

**Musculoskeletal System** 

NONE

**Nervous System** 

NONE

- X .. Lesion present
- I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

<sup>\* ..</sup>Total animals with tissue examined microscopically; Total animals with tumor

<sup>+ ..</sup> Tissue examined microscopically

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Date Report Requested: 10/21/2014 Time Report Requested: 18:15:55

First Dose M/F: NA / NA

Lab: MBA

Test Compound: Goldenseal root powder

Route: DOSED FEED Species/Strain: Rat/F 344/N

Test Type: 14-DAY

**CAS Number: GOLDENSEALRT** 

F 344/N Rat Female 1560 PPM

DAY ON TEST	0	0	0	0	0
	0	0	0	0	0
	1	1	1	1	1
	5	5	5	5	5
ANIMAL ID	0	0	0	0	0
AMIMAL ID	0	0	0	0	0
	0	0	0	0	0
	1	1	1	1	2
	6	7	8	9	0

\*TOTALS

**Respiratory System** 

NONE

**Special Senses System** 

NONE

**Urinary System** 

NONE

**SYSTEMIC LESIONS** 

Multiple Organ

M .. Missing tissue

A .. Autolysis precludes evaluation

<sup>\* ..</sup>Total animals with tissue examined microscopically; Total animals with tumor

<sup>+ ..</sup> Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

Test Type: 14-DAY
Route: DOSED FEED

Species/Strain: Rat/F 344/N

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

**Test Compound:** Goldenseal root powder **CAS Number:** GOLDENSEALRT

Time Report Requested: 18:15:55 First Dose M/F: NA / NA

Date Report Requested: 10/21/2014

Lab: MBA

DAY ON TEST

## F 344/N Rat Female 3121 PPM

ANIMAL ID

\*TOTALS

**Alimentary System** 

NONE

Cardiovascular System

NONE

**Endocrine System** 

NONE

**General Body System** 

NONE

**Genital System** 

NONE

**Hematopoietic System** 

NONE

**Integumentary System** 

NONE

Musculoskeletal System

NONE

**Nervous System** 

NONE

I ..Insufficient tissue

M ..Missing tissue
A ..Autolysis precludes evaluation
BLANK ..Not examined microscopically

<sup>\* ..</sup>Total animals with tissue examined microscopically; Total animals with tumor

<sup>+ ..</sup> Tissue examined microscopically

X .. Lesion present

**Test Type:** 14-DAY **Route:** DOSED FEED

Species/Strain: Rat/F 344/N

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Test Compound: Goldenseal root powder

CAS Number: GOLDENSEALRT First Dose M/F: NA / NA

Lab: MBA

Date Report Requested: 10/21/2014

Time Report Requested: 18:15:55

DAY ON TEST

F 344/N Rat Female 3121 PPM

ANIMAL ID

\*TOTALS

**Respiratory System** 

NONE

**Special Senses System** 

NONE

**Urinary System** 

NONE

**SYSTEMIC LESIONS** 

Multiple Organ 0

I ..Insufficient tissue

M ..Missing tissue

A .. Autolysis precludes evaluation

<sup>\* ..</sup>Total animals with tissue examined microscopically; Total animals with tumor

<sup>+ ..</sup> Tissue examined microscopically

X ..Lesion present

Test Type: 14-DAY
Route: DOSED FEED

Species/Strain: Rat/F 344/N

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

**Test Compound:** Goldenseal root powder **CAS Number:** GOLDENSEALRT

First Dose M/F: NA / NA

Date Report Requested: 10/21/2014

Time Report Requested: 18:15:55

Lab: MBA

DAY ON TEST

## F 344/N Rat Female 6250 PPM

ANIMAL ID

\*TOTALS

**Alimentary System** 

NONE

Cardiovascular System

NONE

**Endocrine System** 

NONE

**General Body System** 

NONE

**Genital System** 

NONE

**Hematopoietic System** 

NONE

**Integumentary System** 

NONE

Musculoskeletal System

NONE

**Nervous System** 

NONE

I ..Insufficient tissue

M ..Missing tissue

A .. Autolysis precludes evaluation

<sup>\* ..</sup>Total animals with tissue examined microscopically; Total animals with tumor

<sup>+ ..</sup> Tissue examined microscopically

X .. Lesion present

**Test Type:** 14-DAY **Route:** DOSED FEED

Species/Strain: Rat/F 344/N

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

**Test Compound:** Goldenseal root powder **CAS Number:** GOLDENSEALRT

First Dose M/F: NA / NA

Date Report Requested: 10/21/2014

Time Report Requested: 18:15:55

Lab: MBA

DAY ON TEST

F 344/N Rat Female 6250 PPM

ANIMAL ID

\*TOTALS

**Respiratory System** 

NONE

**Special Senses System** 

NONE

**Urinary System** 

NONE

**SYSTEMIC LESIONS** 

Multiple Organ 0

M ..Missing tissue

A .. Autolysis precludes evaluation

<sup>\* ..</sup>Total animals with tissue examined microscopically; Total animals with tumor

<sup>+ ..</sup> Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Test Compound: Goldenseal root powder

**CAS Number: GOLDENSEALRT** 

Species/Strain: Rat/F 344/N

Test Type: 14-DAY

Route: DOSED FEED

First Dose M/F: NA / NA

Lab: MBA

Date Report Requested: 10/21/2014

Time Report Requested: 18:15:55

F 344/N Rat Female 12500 PPM

DAY ON TEST 0 0 0 0 0 0 0 *1* 5 *1* 5 *1* 5 1 5 0 0 0 0 0 0 0 4 7 ANIMAL ID Ō 0 0 0 0 4 6 0 0 5 4 8 4 9

\*TOTALS

5

**Alimentary System** 

Liver

Cardiovascular System

NONE

**Endocrine System** 

NONE

**General Body System** 

NONE

**Genital System** 

NONE

**Hematopoietic System** 

NONE

**Integumentary System** 

NONE

**Musculoskeletal System** 

NONE

**Nervous System** 

NONE

- X .. Lesion present
- I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

<sup>\* ..</sup>Total animals with tissue examined microscopically; Total animals with tumor

<sup>+ ..</sup> Tissue examined microscopically

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Date Report Requested: 10/21/2014

Time Report Requested: 18:15:55

First Dose M/F: NA / NA

Lab: MBA

Test Compound: Goldenseal root powder

**CAS Number: GOLDENSEALRT** 

Species/Strain: Rat/F 344/N

Test Type: 14-DAY

Route: DOSED FEED

F 344/N Rat Female 12500 PPM

DAY ON TEST	0	0	0	0	0
	1 5	1 5	1 5	1 5	1 5
ANIMAL ID	000	000	0 0	000	0
	4	4	4	4	5
	6	7	8	9	0

\*TOTALS

5

**Respiratory System** 

NONE

**Special Senses System** 

NONE

**Urinary System** 

NONE

**SYSTEMIC LESIONS** 

Multiple Organ

**- -**

I .. Insufficient tissue

M ..Missing tissue

A .. Autolysis precludes evaluation

<sup>\* ..</sup>Total animals with tissue examined microscopically; Total animals with tumor

<sup>+ ..</sup> Tissue examined microscopically

X ..Lesion present

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Test Compound: Goldenseal root powder

**CAS Number: GOLDENSEALRT** 

Species/Strain: Rat/F 344/N

Test Type: 14-DAY

Route: DOSED FEED

Lab: MBA

Date Report Requested: 10/21/2014

Time Report Requested: 18:15:55

First Dose M/F: NA / NA

F 344/N Rat Female	DAY ON TEST	0 0 1	0 0 1	0 0 1	0 0 1	0 0 1	
25000 PPM	ANIMAL ID	0 0 0	0 0 0	0 0 0	0 0 0 5	0 0 0	
		5 6	5 7	5 8	9	6 0	*TOTALS

**Alimentary System** 

5 Liver

**Cardiovascular System** 

NONE

**Endocrine System** 

NONE

**General Body System** 

NONE

**Genital System** 

NONE

**Hematopoietic System** 

NONE

**Integumentary System** 

NONE

**Musculoskeletal System** 

NONE

**Nervous System** 

NONE

- X .. Lesion present
- I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

<sup>\* ..</sup>Total animals with tissue examined microscopically; Total animals with tumor

<sup>+ ..</sup> Tissue examined microscopically

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Date Report Requested: 10/21/2014

Time Report Requested: 18:15:55

First Dose M/F: NA / NA

Lab: MBA

Test Compound: Goldenseal root powder

**CAS Number: GOLDENSEALRT** 

Species/Strain: Rat/F 344/N

F 344/N Rat Female

Test Type: 14-DAY

Route: DOSED FEED

DAY ON TEST

0 0 0 0 0 0 0 *1* 5 *1* 5 *1* 5 5 0 0 0 0 0 0 5 7 ANIMAL ID Ō 0 0 5 6 0 0 0

5 8 5 9 6 \*TOTALS

5

25000 PPM

**Respiratory System** 

NONE

**Special Senses System** 

NONE

**Urinary System** 

NONE

**SYSTEMIC LESIONS** 

Multiple Organ

M .. Missing tissue

A .. Autolysis precludes evaluation

<sup>\* ..</sup>Total animals with tissue examined microscopically; Total animals with tumor

<sup>+ ..</sup> Tissue examined microscopically

X ..Lesion present

I .. Insufficient tissue

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Test Compound: Goldenseal root powder

**CAS Number: GOLDENSEALRT** 

Species/Strain: Rat/F 344/N

Test Type: 14-DAY

Route: DOSED FEED

F 344/N Rat Female 50000 PPM

0	0	0	0	0
1 5	1 5	1 5	1 5	1 5
0	0	0	0	0
0	0 6	0 6	6	0 7
	0 1 5 0 0 0	0 0 1 1 5 5 0 0 0 0 0 0 0 0 6 6	0         0         0           1         1         1           5         5         5           0         0         0           0         0         0           0         0         0           6         6         6	0         0         0         0           1         1         1         1           5         5         5         5           0         0         0         0           0         0         0         0           0         0         0         0           0         0         0         0           6         6         6         6

\*TOTALS

**Alimentary System** 

5 Liver

D

**Cardiovascular System** 

NONE

**Endocrine System** 

NONE

**General Body System** 

NONE

**Genital System** 

NONE

**Hematopoietic System** 

NONE

**Integumentary System** 

NONE

**Musculoskeletal System** 

NONE

**Nervous System** 

NONE

- X .. Lesion present
- I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

Date Report Requested: 10/21/2014 Time Report Requested: 18:15:55

First Dose M/F: NA / NA Lab: MBA

<sup>\* ..</sup>Total animals with tissue examined microscopically; Total animals with tumor

<sup>+ ..</sup> Tissue examined microscopically

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Test Compound: Goldenseal root powder

**CAS Number: GOLDENSEALRT** 

Species/Strain: Rat/F 344/N

Test Type: 14-DAY

Route: DOSED FEED

Lab: MBA

Date Report Requested: 10/21/2014

Time Report Requested: 18:15:55

First Dose M/F: NA / NA

F 344/N Rat Female 50000 PPM	DAY ON TEST	0	0	0	0	0
	ANIMAL ID	5 0	5	5	5 0	5
		0 0 6 6	0 0 6 7	0 0 6 8	0 0 6 9	0 0 7 0

\*TOTALS

**Respiratory System** 

NONE

**Special Senses System** 

NONE

**Urinary System** 

NONE

**SYSTEMIC LESIONS** 

Multiple Organ + + + + + 5

\*\* END OF REPORT \*\*

X ..Lesion present

I .. Insufficient tissue

M ..Missing tissue

A .. Autolysis precludes evaluation

<sup>\* ..</sup>Total animals with tissue examined microscopically; Total animals with tumor

<sup>+ ..</sup> Tissue examined microscopically